

Fig.1

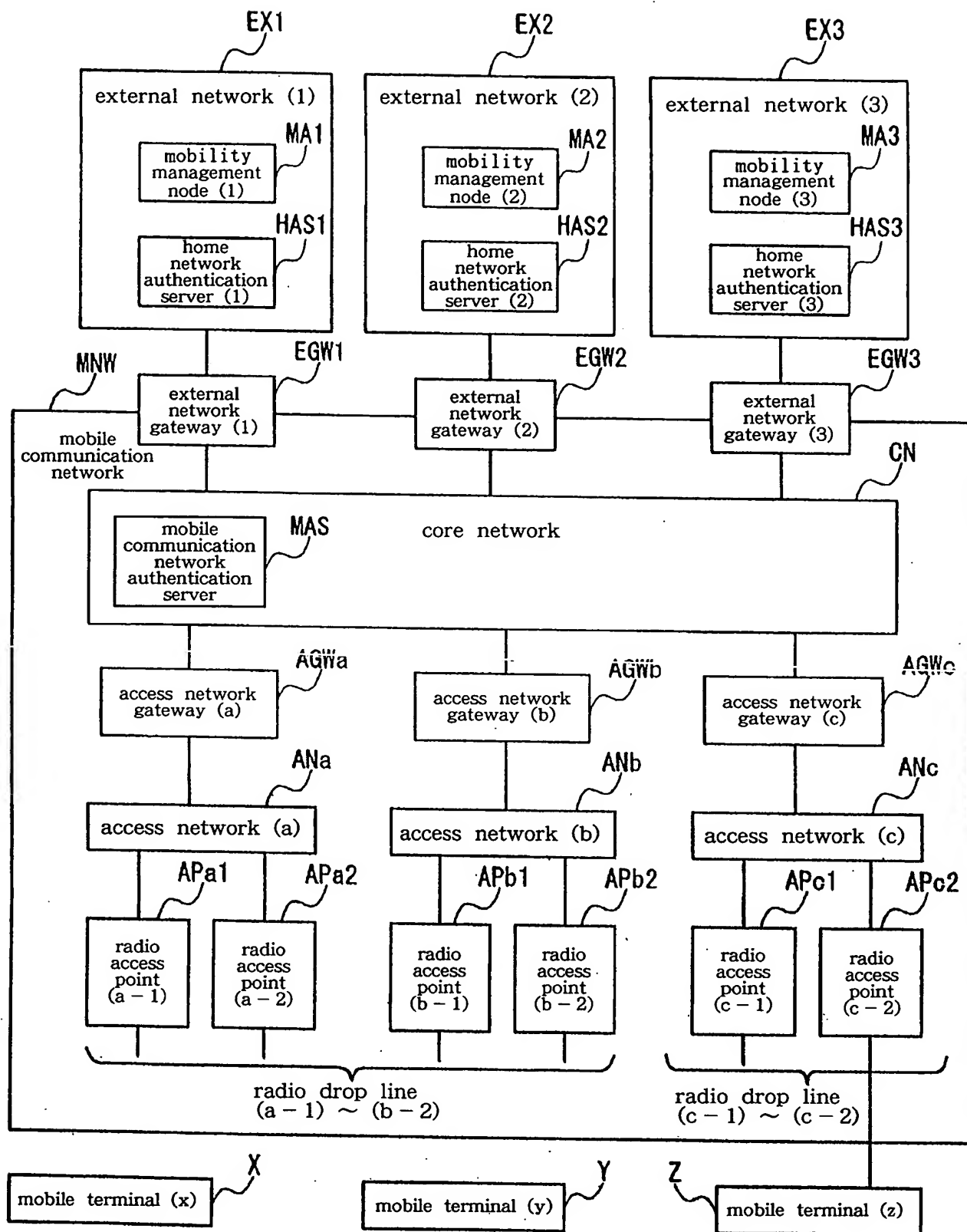


Fig. 2

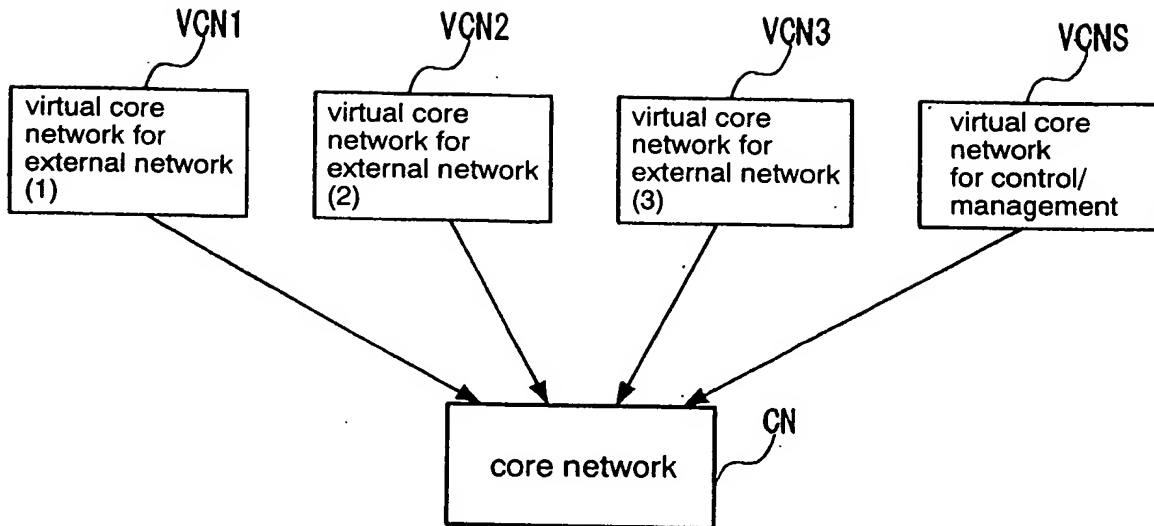


Fig. 3

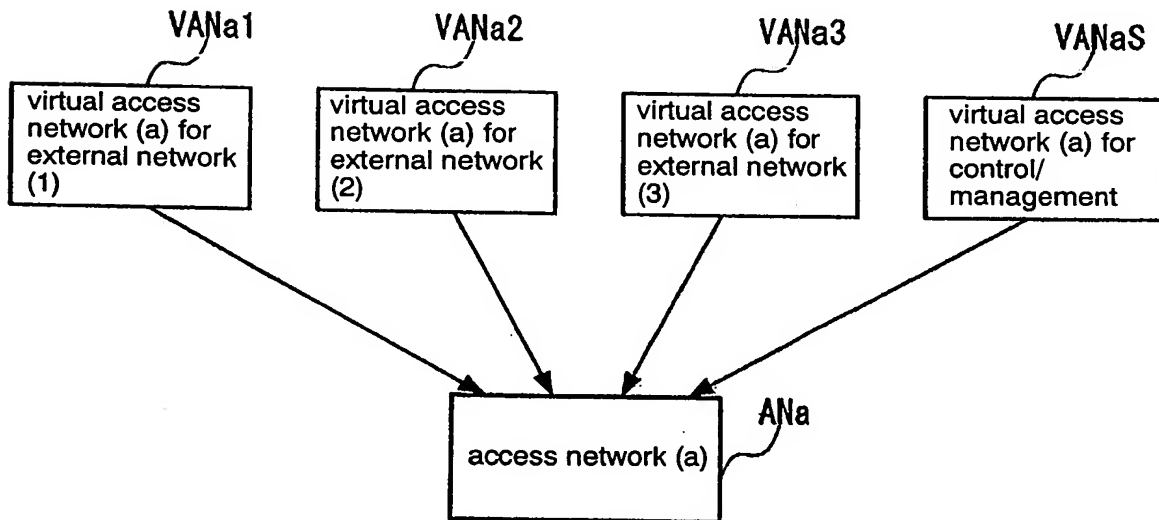


Fig. 4

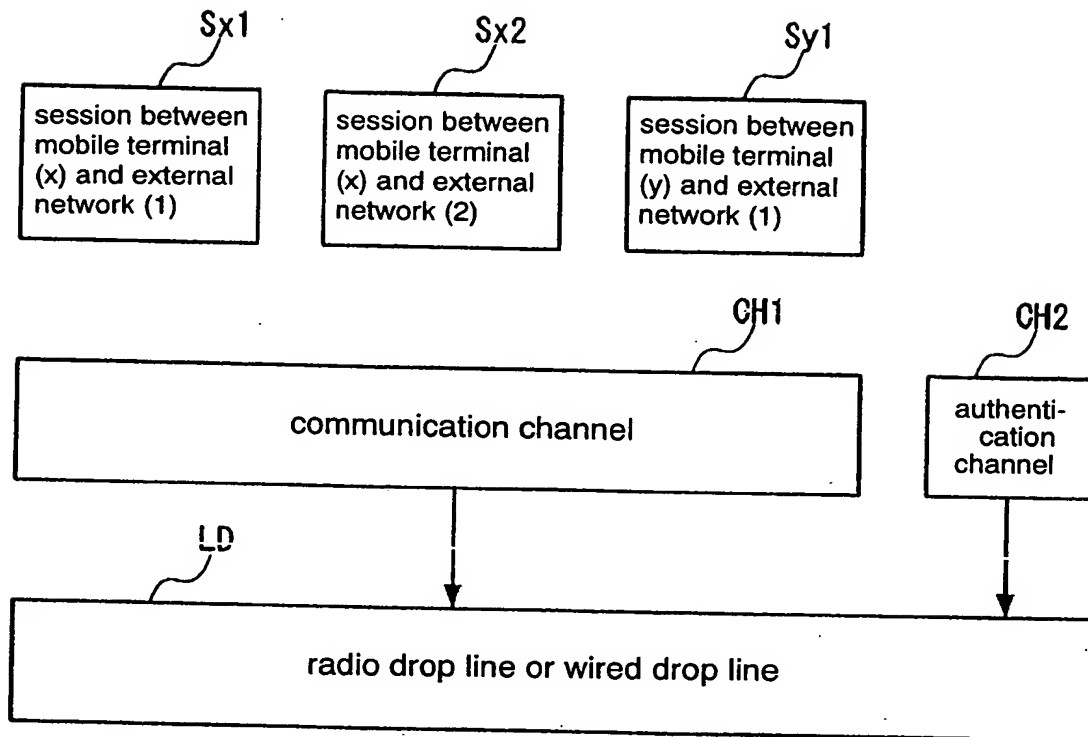


Fig. 5

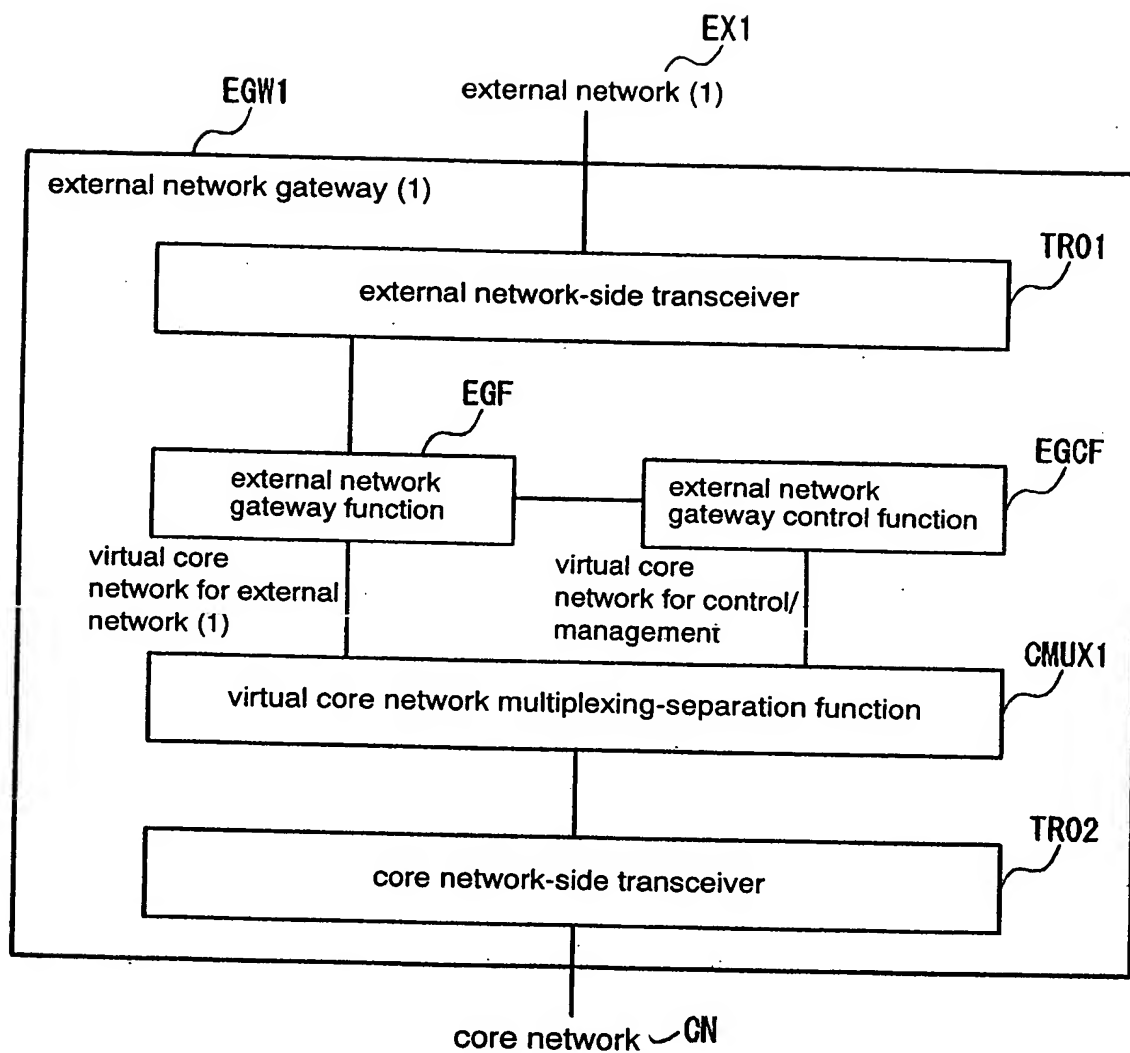


Fig. 6

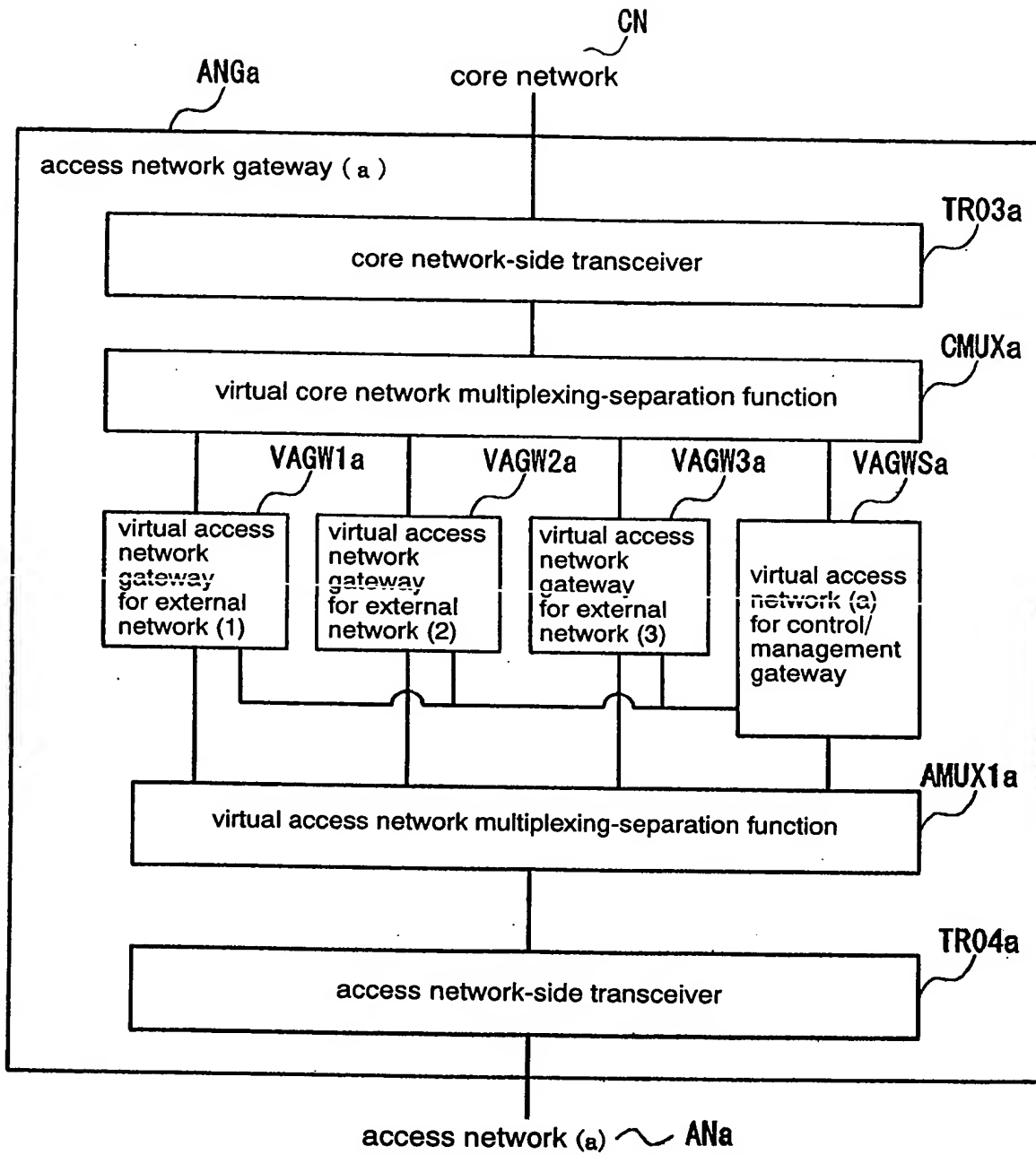


Fig. 7

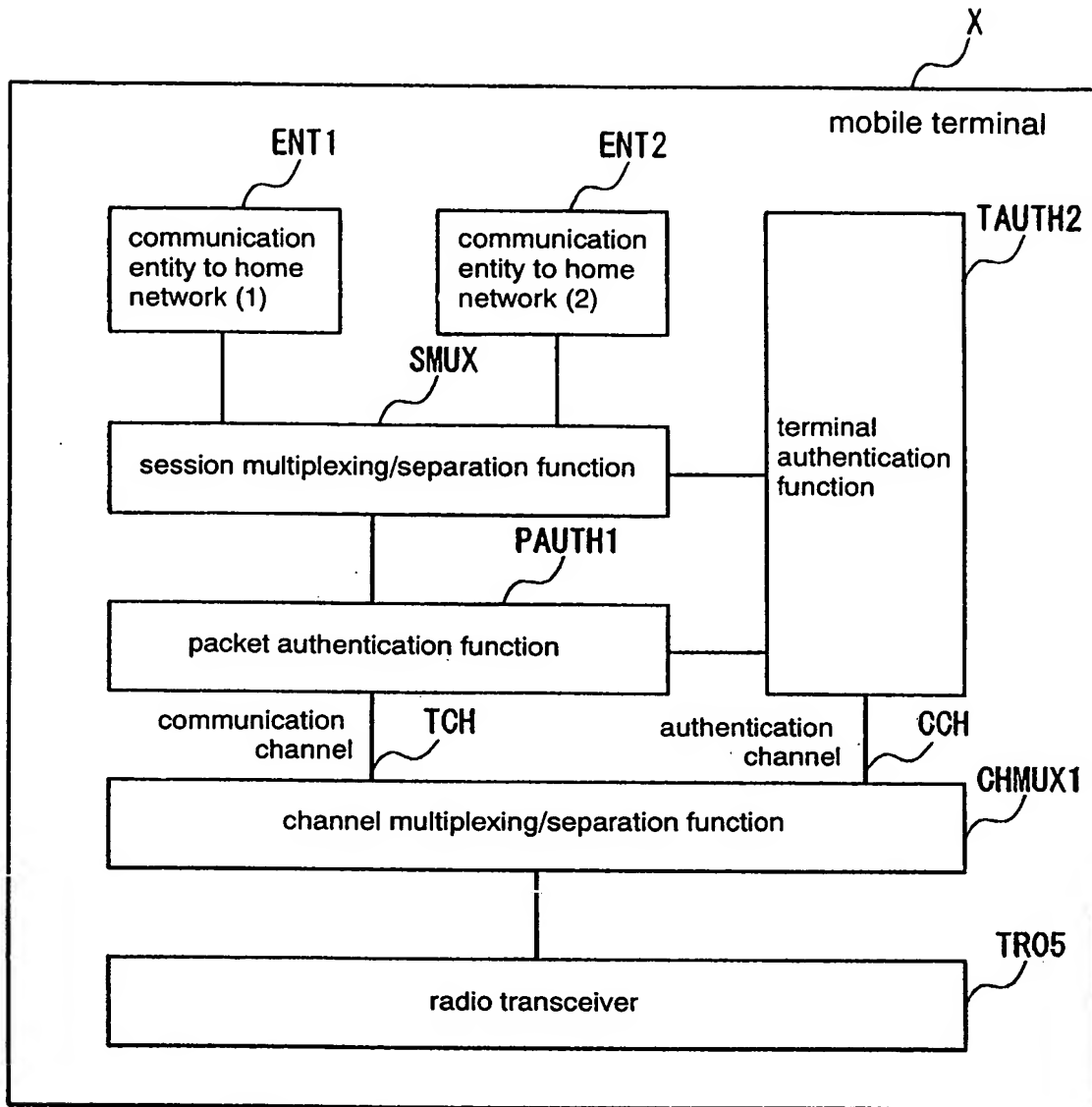


Fig. 8

mobile communication network information management table

terminal ID	110
mobile communication network-mobile terminal security association (SA)	111

Fig. 9

200 home network information management table

210	home network ID	220 mobile terminal ID for home network	230 home network-mobile terminal SA
211	home network #1	ID # 1    221	Home SA # 1    231
212	home network #2	ID # 2    222	Home SA # 2    232

Fig. 10

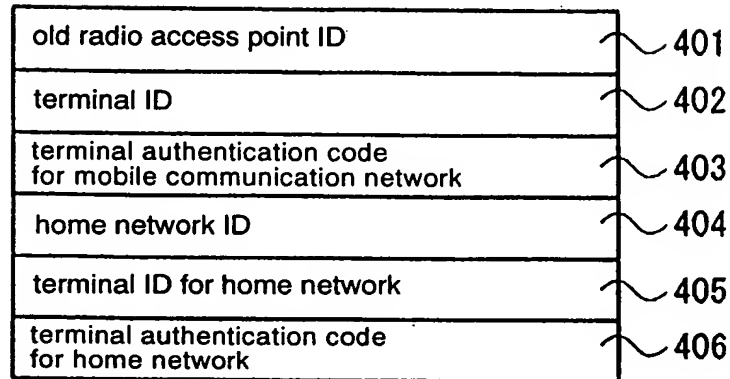
300 session information management table

310	home network ID	320 access point ID	330 access point - terminal SA	340 session ID	350 link information
311	home network #1	AP#1	AP-SA#1	S-ID#1	LINK#1
312	home network #2	AP#1	AP-SA#2	S-ID#2	LINK#2

322 321      332 331      342 341      352 351

Fig. 11

400 authentication request packet

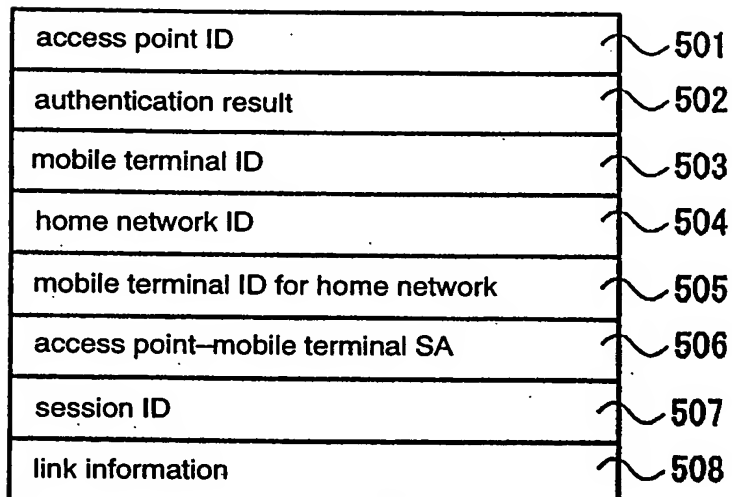


The diagram shows a vertical stack of six rectangular fields representing the structure of an authentication request packet. Each field is connected to a reference numeral on the right by a wavy line. An arrow points from the label '400 authentication request packet' to the top of the stack.

old radio access point ID	401
terminal ID	402
terminal authentication code for mobile communication network	403
home network ID	404
terminal ID for home network	405
terminal authentication code for home network	406

Fig. 12

500 authentication response packet



The diagram shows a vertical stack of eight rectangular fields representing the structure of an authentication response packet. Each field is connected to a reference numeral on the right by a wavy line. An arrow points from the label '500 authentication response packet' to the top of the stack.

access point ID	501
authentication result	502
mobile terminal ID	503
home network ID	504
mobile terminal ID for home network	505
access point-mobile terminal SA	506
session ID	507
link information	508



Fig.13

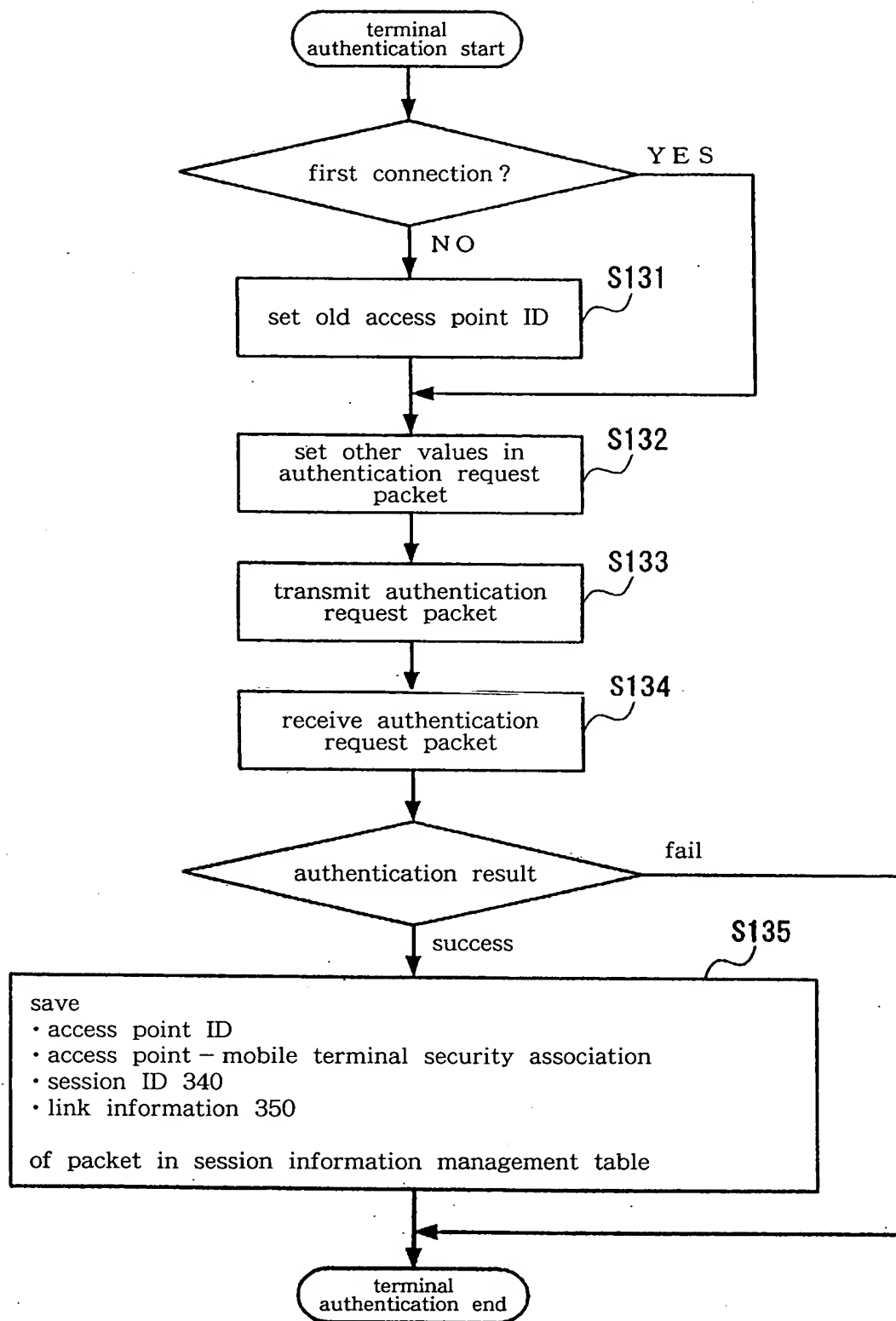


Fig. 14

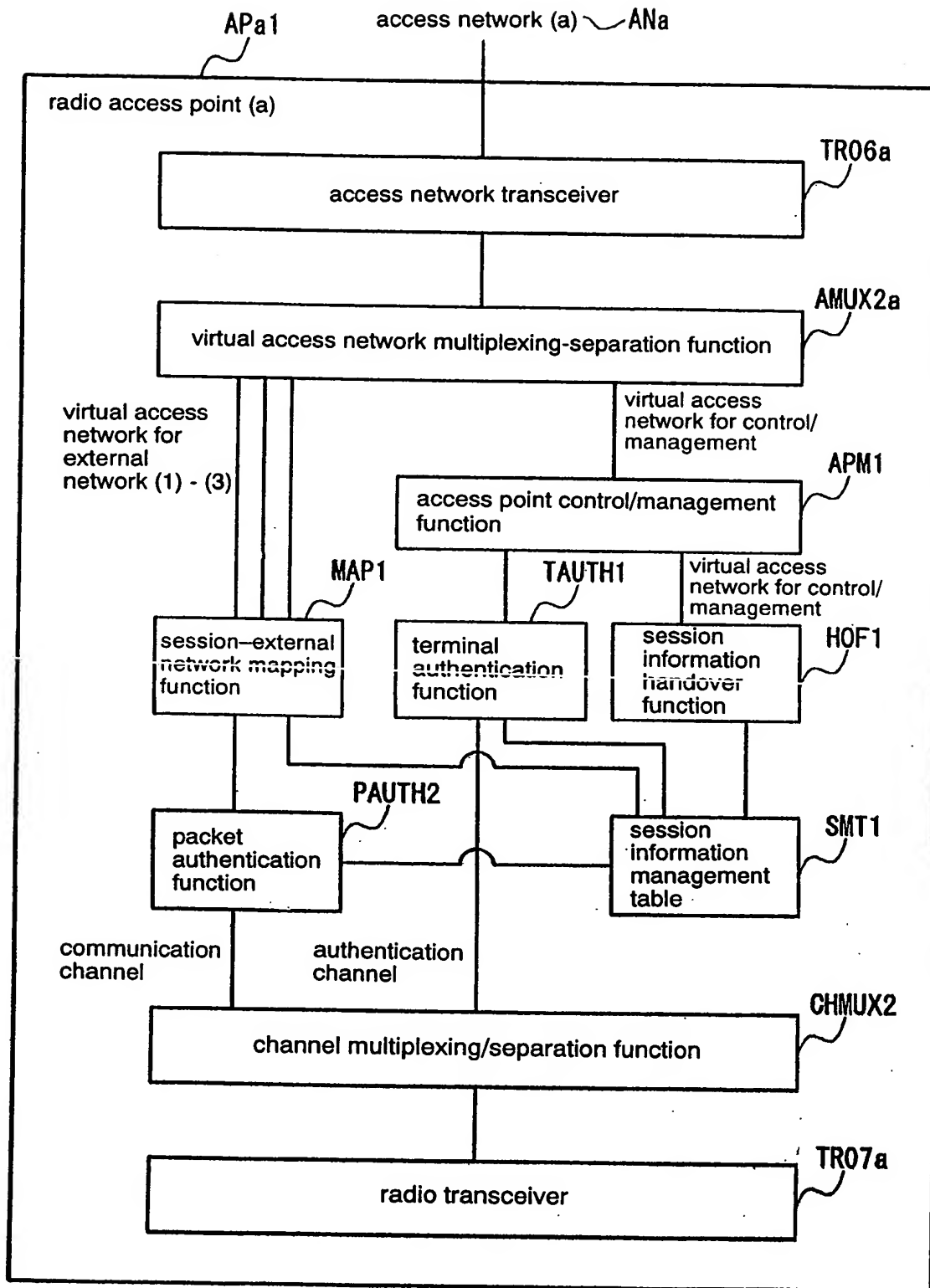


Fig. 15

600 session information management table

mobile terminal ID 610	external network ID 620	access point – mobile terminal SA 630	session ID 640	link information 650
mobile terminal #1 611	external network #1 621	SA # 1 6 3 1	session #1 641	link information #1 651
mobile terminal #1 612	external network #2 622	SA # 2 6 3 2	session #2 642	link information #2 652
mobile terminal #2 613	external network #1 623	SA # 1 6 3 3	session #1 643	link information #1 653

Fig. 16

700 authentication request packet

radio access point ID	701
mobile terminal ID	702
mobile terminal authentication code for mobile network	703
home network ID	704
mobile terminal ID for home network	705
mobile terminal authentication code for home network	706

Fig. 17

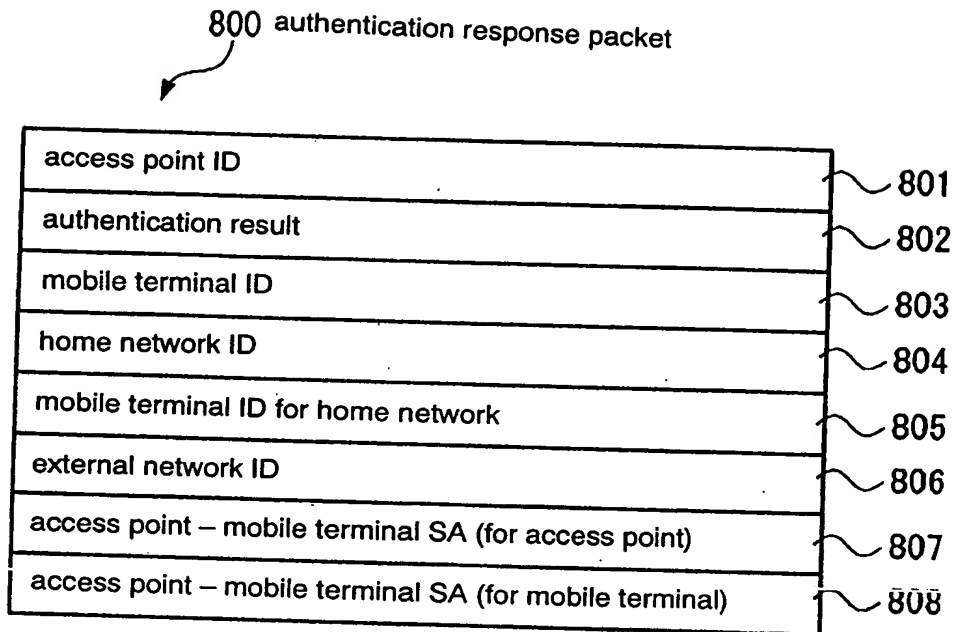
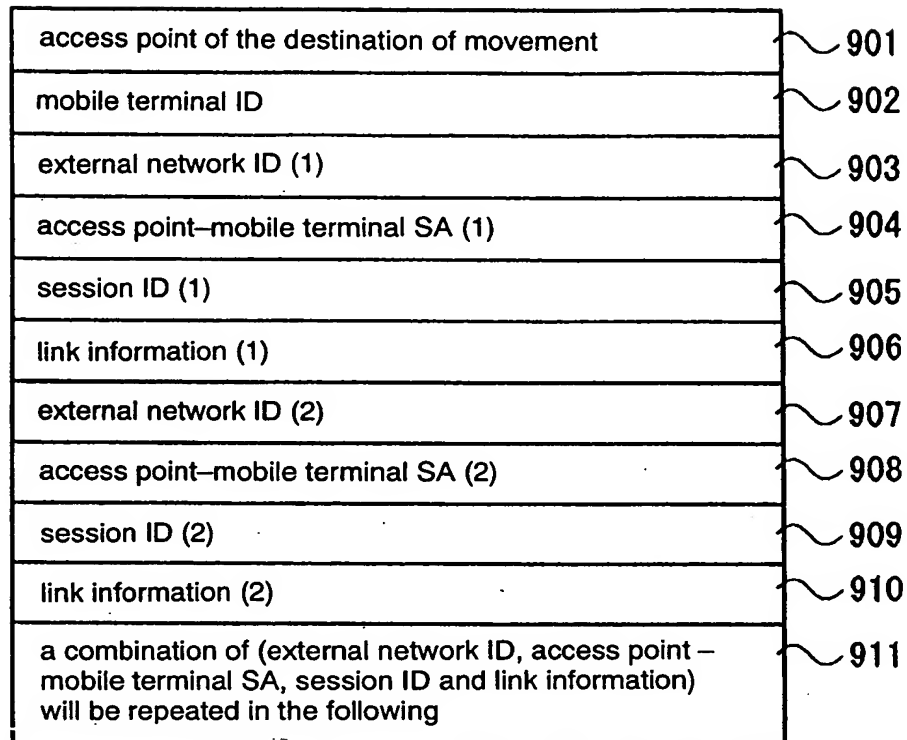


Fig. 18

900 session information report packet

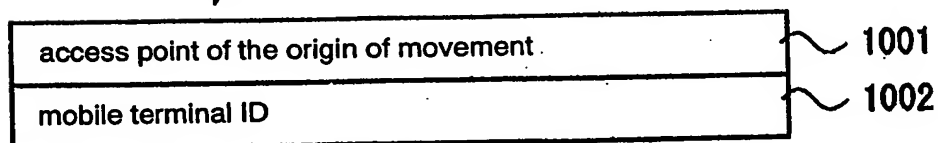


The diagram shows a vertical stack of eleven rectangular fields, each representing a component of a session information report packet. To the right of each field is a reference number (901 through 911) connected to the field by a wavy line. An arrow points from the label '900 session information report packet' to the top of the stack.

access point of the destination of movement	901
mobile terminal ID	902
external network ID (1)	903
access point-mobile terminal SA (1)	904
session ID (1)	905
link information (1)	906
external network ID (2)	907
access point-mobile terminal SA (2)	908
session ID (2)	909
link information (2)	910
a combination of (external network ID, access point – mobile terminal SA, session ID and link information) will be repeated in the following	911

Fig. 19

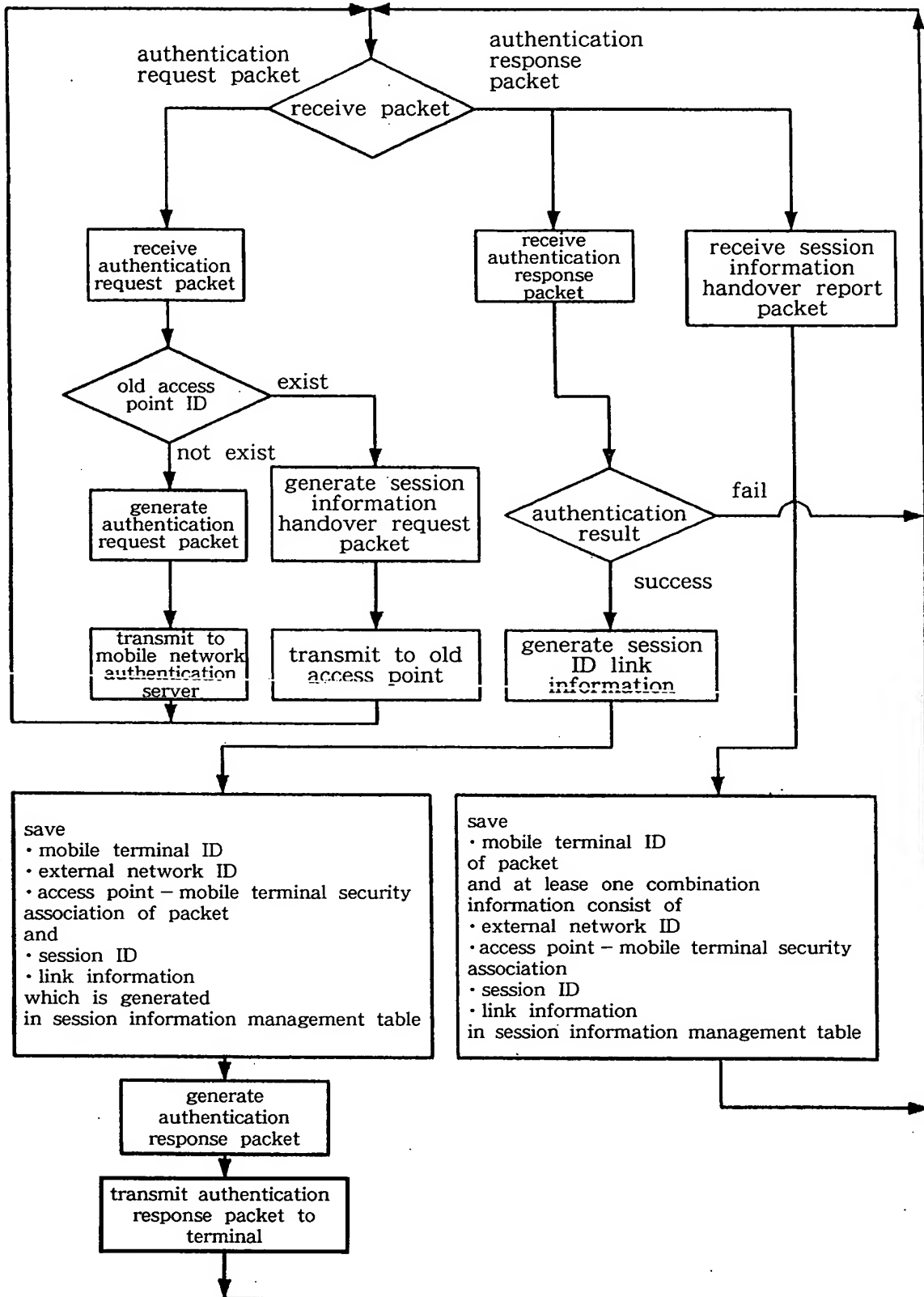
1000 session information handover request packet



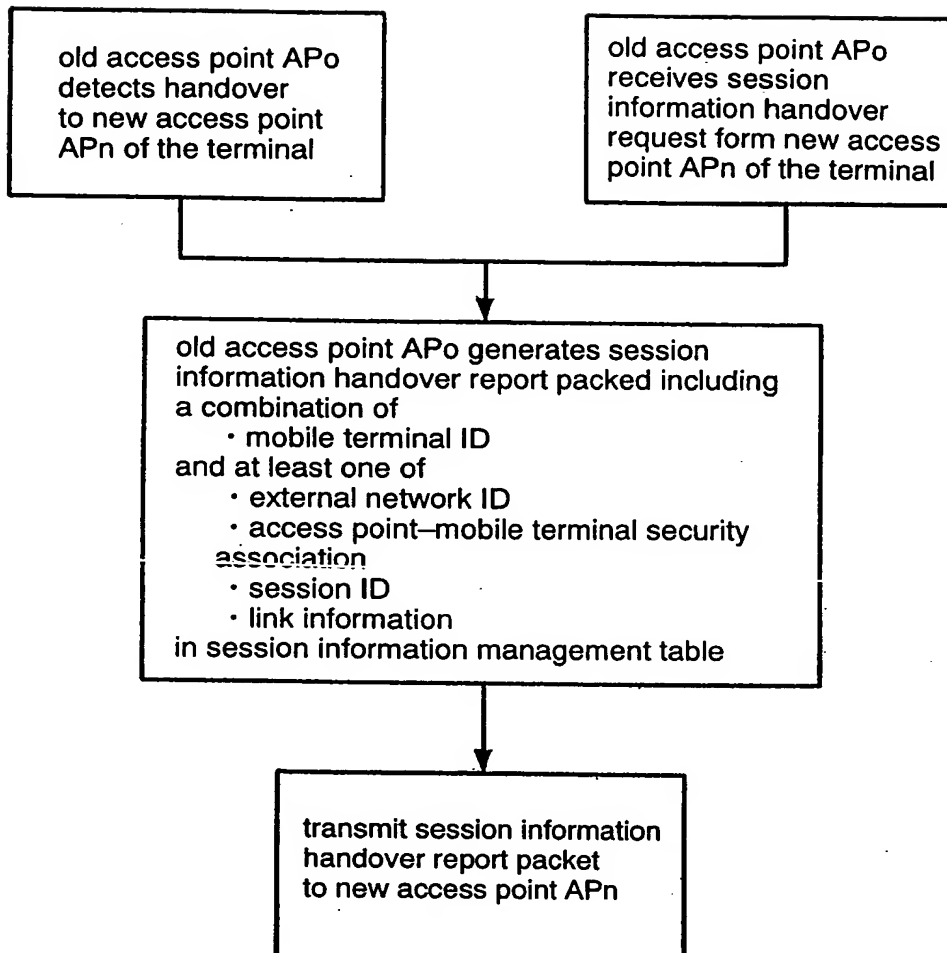
The diagram shows a vertical stack of two rectangular fields, each representing a component of a session information handover request packet. To the right of each field is a reference number (1001 and 1002) connected to the field by a wavy line. An arrow points from the label '1000 session information handover request packet' to the top of the stack.

access point of the origin of movement	1001
mobile terminal ID	1002

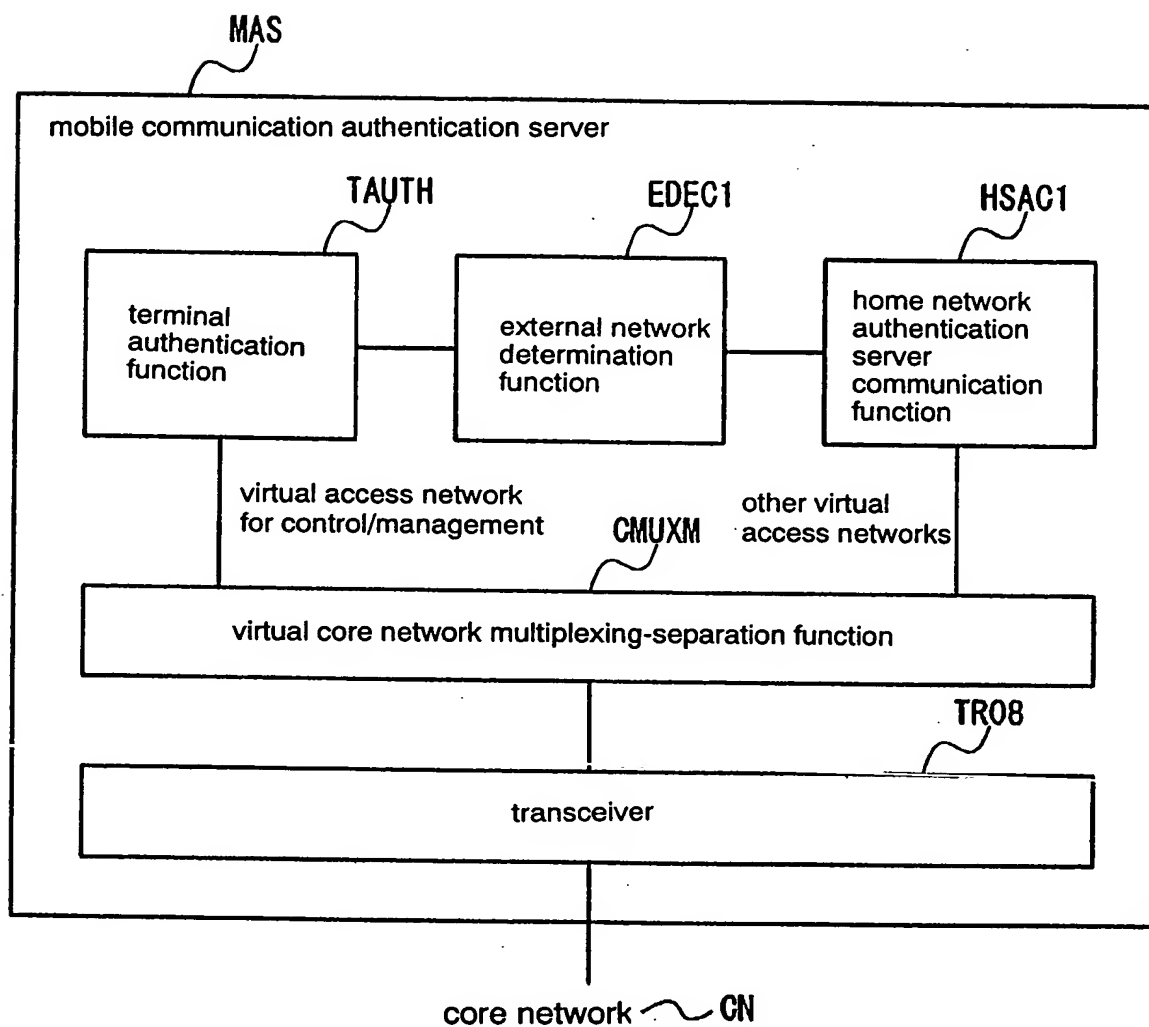
Fig.20



F i g . 2 1



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F i g . 2 3

1100 terminal information management table

mobile terminal ID (1110)	mobile communication server – mobile terminal SA (1120)	access point – mobile terminal SA (1130)
mobile terminal #1 (1111)	Home SA # 1 (1121)	SA # 1 (1131)
mobile terminal #2 (1112)	Home SA # 2 (1122)	SA # 2 (1132)

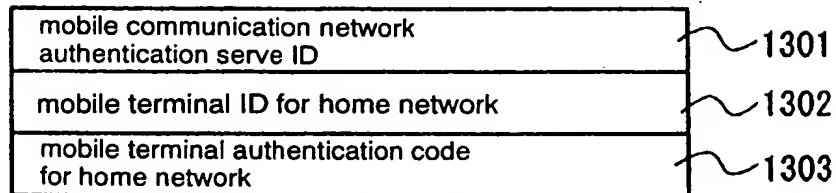
F i g . 2 4

1200 home network – external network correspondence table

home network ID (1210)	external network ID (1220)
home network #1 (1211)	external network #1 (1221)
home network #2 (1212)	external network #2 (1222)

F i g . 2 5

1300 authentication request packet



F i g . 2 6

1400 authentication response packet

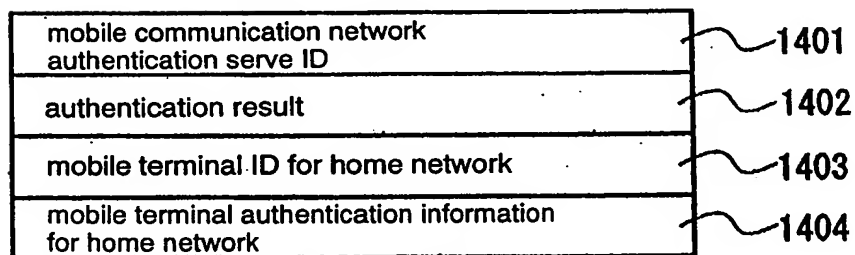


Fig.27

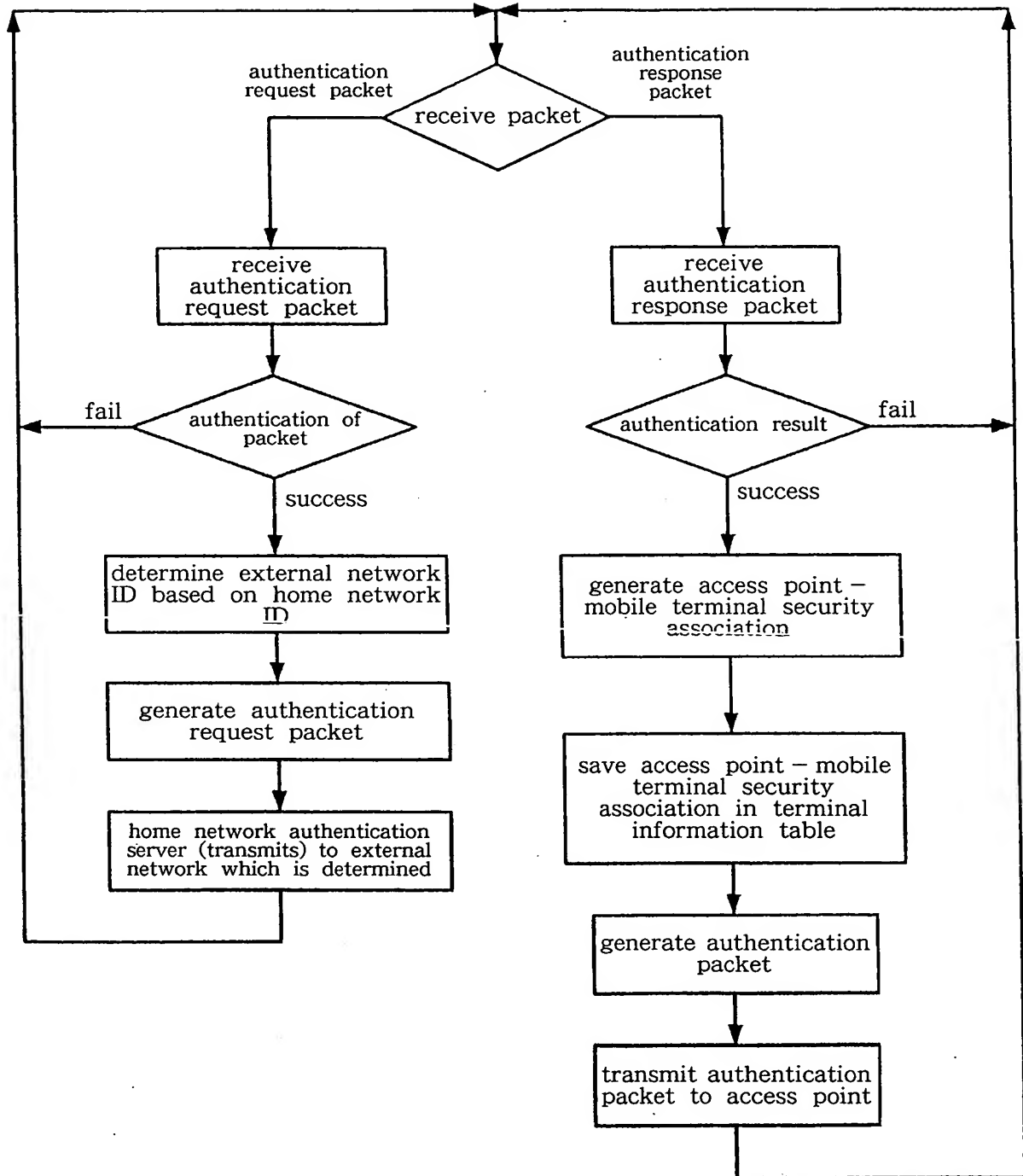


Fig.28

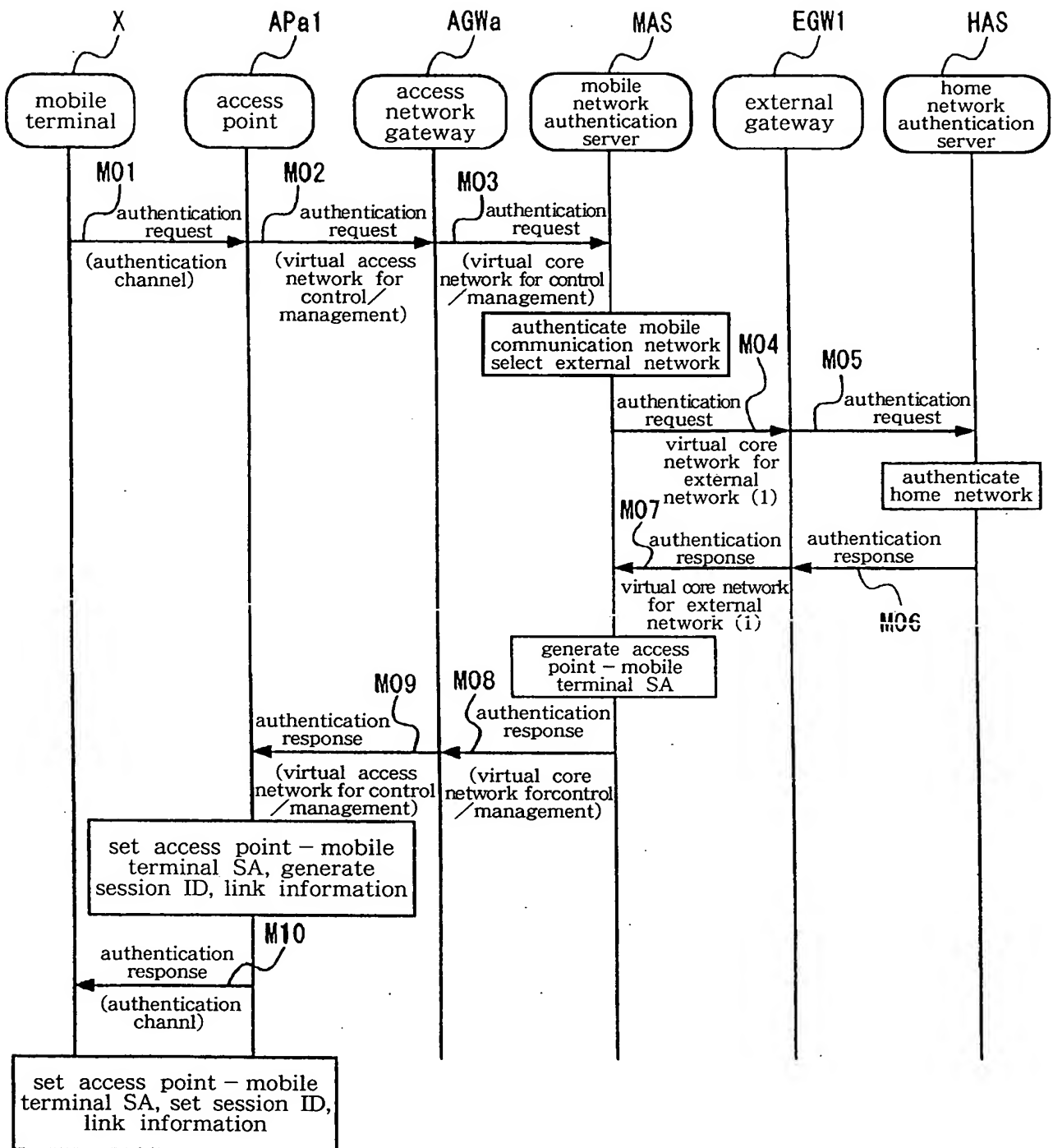


Fig.29

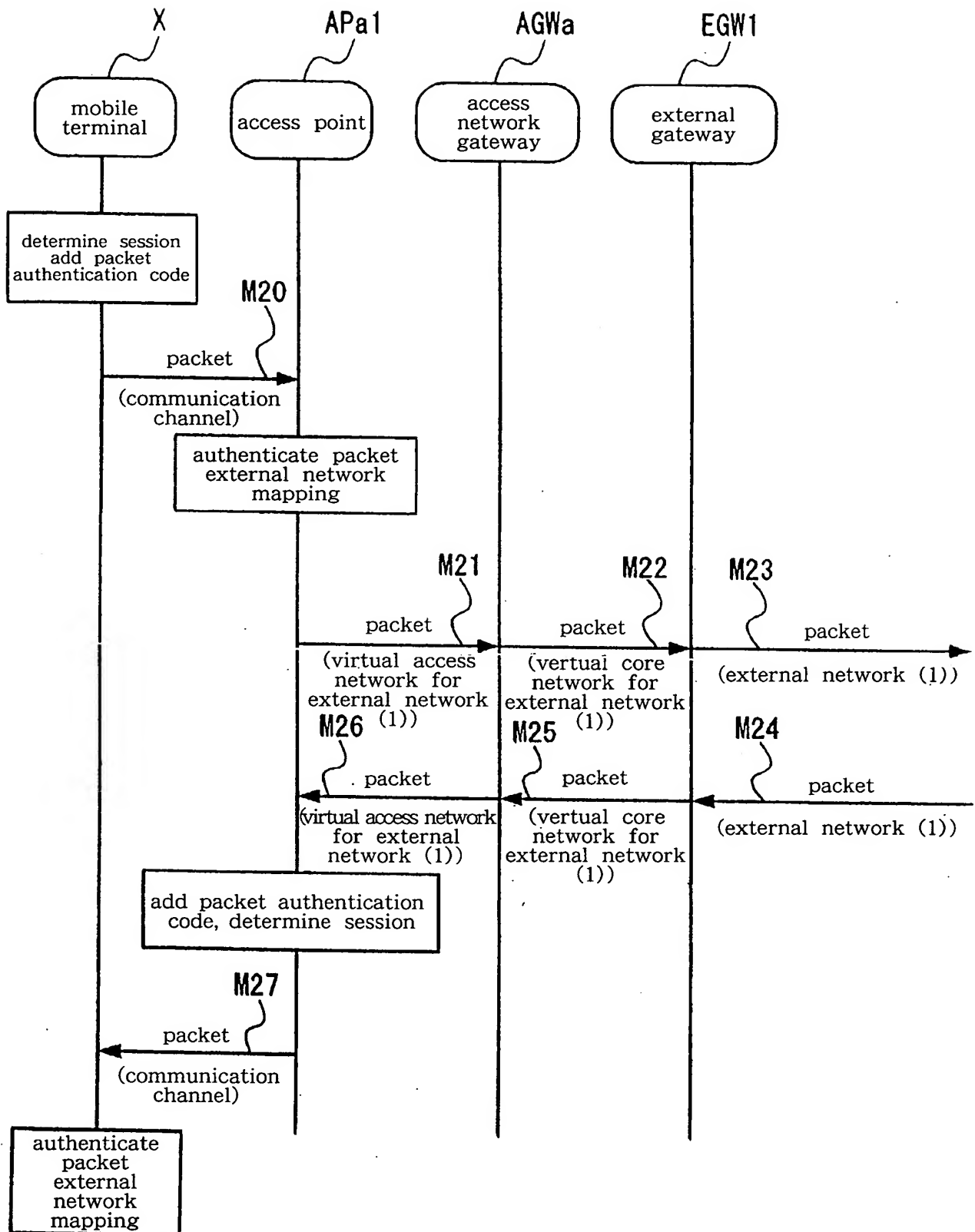


Fig.30

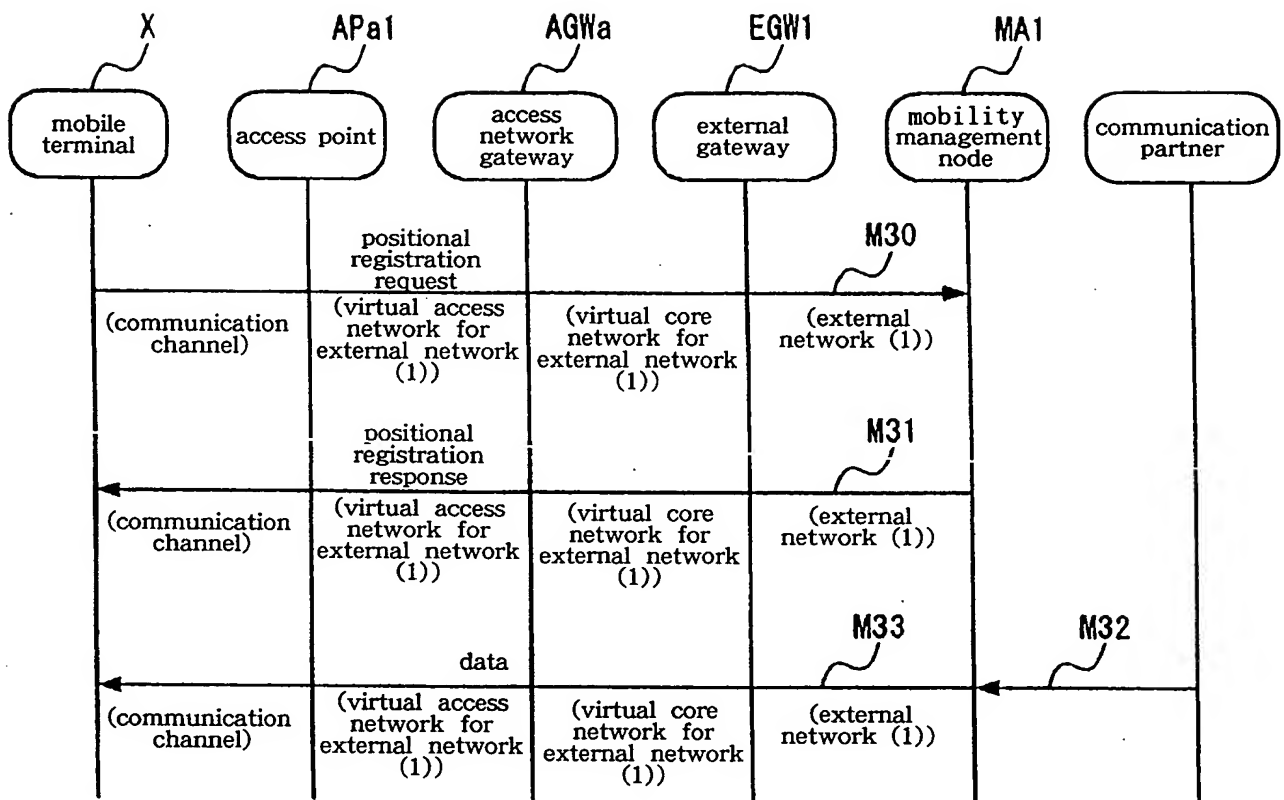


Fig.31

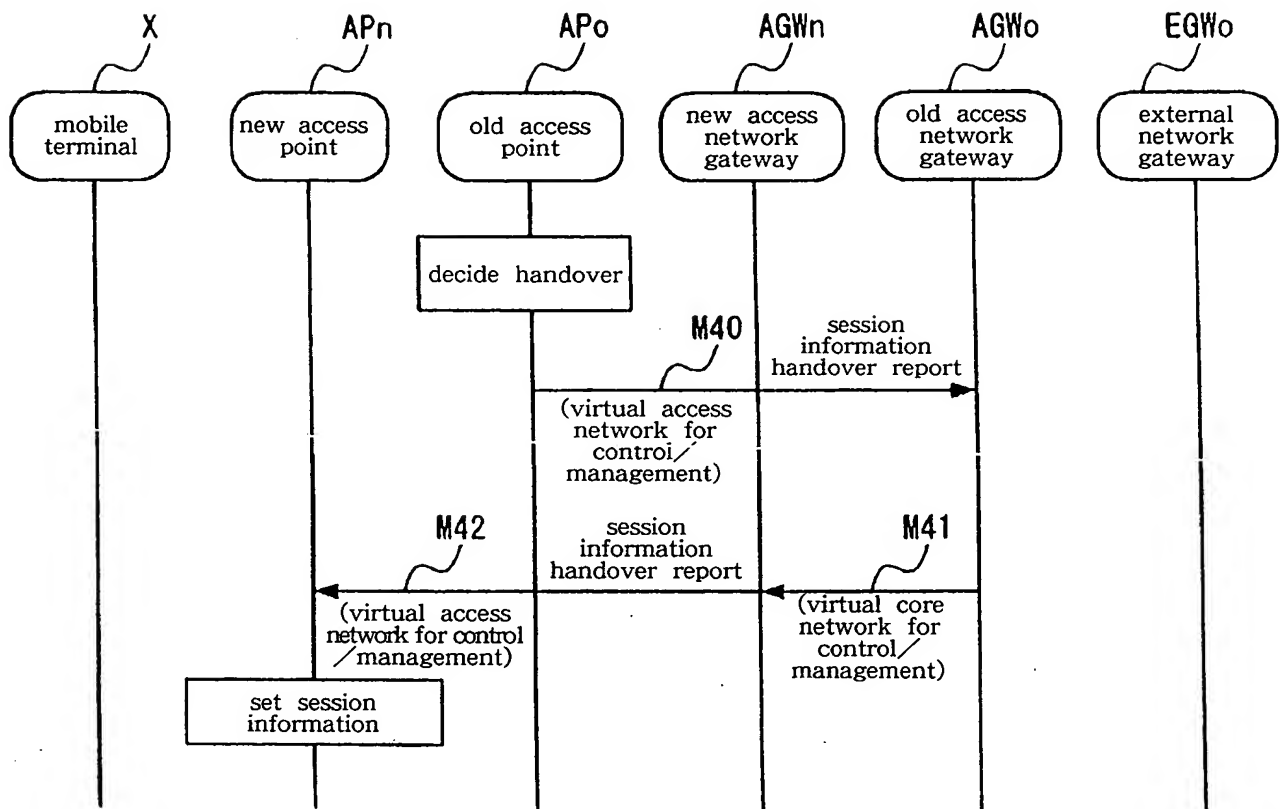


Fig.32

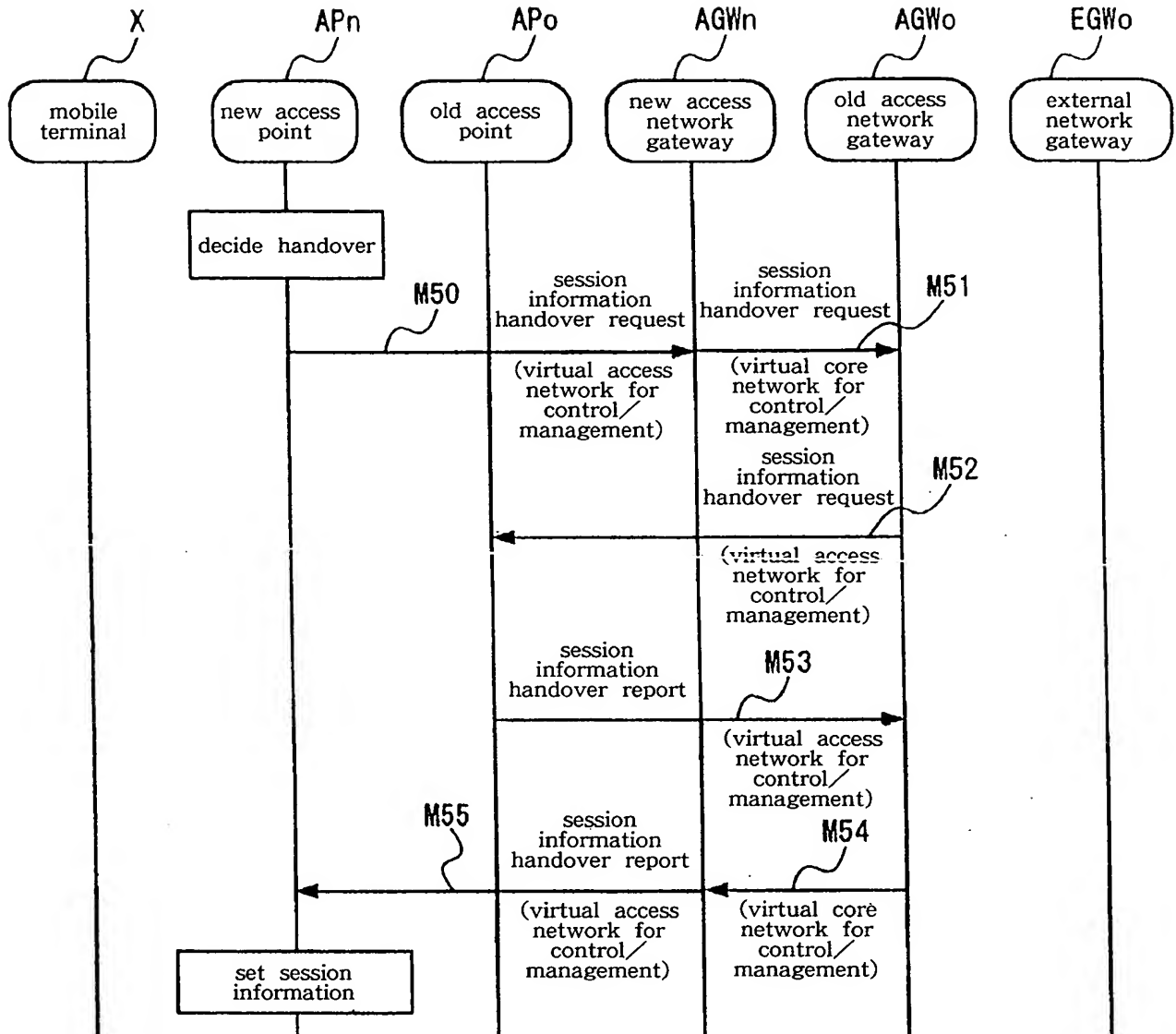




Fig.33

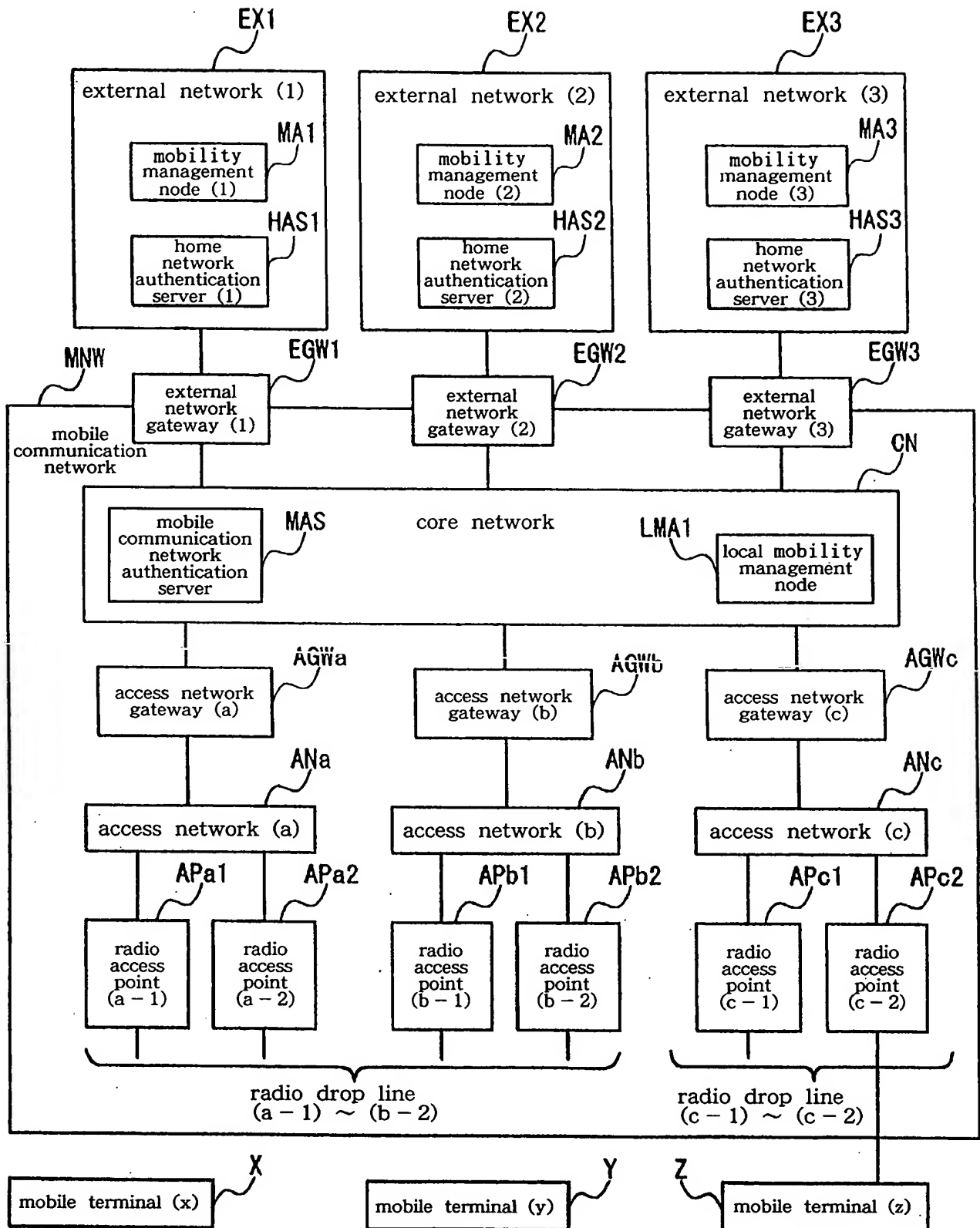


Fig. 34

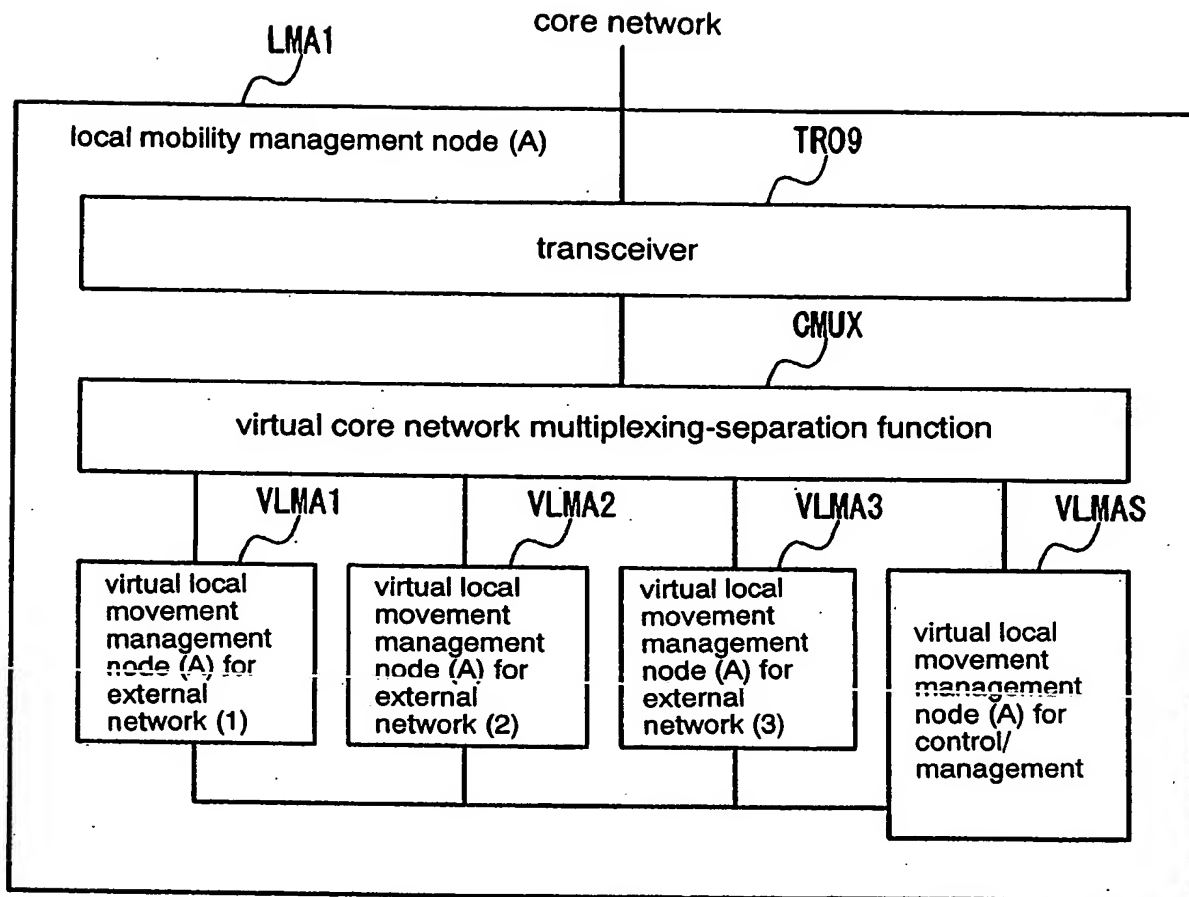


Fig.35

